

## AN APPARATUS FOR OPTICAL NAVIGATION

### ABSTRACT OF THE DISCLOSURE

5           An apparatus for optical navigation. The apparatus has a surface comprising an aperture, wherein the surface is configured to be moveable against an illuminated surface having a detectable texture. An optical motion detection circuit is integral to the apparatus and optically coupled to the detectable texture of the display screen. The optical motion detection  
10   circuit produces motion signals indicative of motion of the surface relative to the detectable texture of the illuminated surface, wherein the optical motion detection circuit is operable to detect the detectable texture without requiring an integral illumination source.

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